

# **Efavirenz Liquid Formulation**

Version 8.0	Revision Date: 06.07.2024		S Number: 342-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015	
Section	1: Identification				
Proc	duct name	:	Efavirenz Liquid	Formulation	
Mar	nufacturer or supplier's d	leta	ils		
Con	npany	:	MSD		
Add	ress	:	33 Whakatiki Sti Upper Hutt - Ne	reet - Private Bag 908 w Zealand	
Tele	phone	:	0800 800 543		
Eme	ergency telephone number	r:	0800 764 766 (0 CHEMCALL)	0800 POISON) 0800 243 622 (0800	
E-m	ail address	:	EHSDATASTEV	WARD@msd.com	
Rec	ommended use of the ch	nem	ical and restricti	ions on use	
	ommended use trictions on use	:	Pharmaceutical Not applicable		
Section	2: Hazard identification				
GHS	S Classification				
Rep	roductive toxicity	:	Category 1		
	cific target organ toxicity - eated exposure	:	Category 2 (Cer	ntral nervous system, Skin)	
	ardous to the aquatic ronment - chronic hazard	:	Category 2		
GHS	S label elements				
Haz	ard pictograms	:		¥	
Sigr	nal word	:	Danger	V	
Haz	ard statements	:	H373 May cause Skin) through pr	mage the unborn child. The damage to organs (Central nervous system rolonged or repeated exposure. Iquatic life with long lasting effects.	٦,
Pred	cautionary statements	:	Prevention:		



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P201 Obtain special instructions before use.P260 Do not breathe mist or vapours.P273 Avoid release to the environment.P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention. P391 Collect spillage.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards which do not result in classification

None known.

#### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Efavirenz	154598-52-4	>= 2.5 -< 10
Benzyl alcohol	100-51-6	< 0.1

#### Section 4: First-aid measures

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	





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	ection of first-aiders	:	and use the reco when the potent	ders should pay attention to self-protection, ommended personal protective equipment ial for exposure exists (see section 8).
	es to physician 5: Fire-fighting measure	:	Treat symptoma	tically and supportively.
		3		
Suit	able extinguishing media	:	Water spray Alcohol-resistan Carbon dioxide Dry chemical	
Uns med	uitable extinguishing	:	None known.	
	cific hazards during fire-	:	Exposure to con	nbustion products may be a hazard to health.
Haz	ardous combustion prod-	:	Carbon oxides	
Spe ods	cific extinguishing meth-	:	cumstances and Use water spray Remove undam so.	ng measures that are appropriate to local cir- I the surrounding environment. I to cool unopened containers. aged containers from fire area if it is safe to do
for fi	cial protective equipment refighters chem Code	:		re, wear self-contained breathing apparatus. otective equipment.
Section	6: Accidental release me	easi	ures	
tive	sonal precautions, protec- equipment and emer- cy procedures	:	Follow safe han	otective equipment. dling advice (see section 7) and personal pro- nt recommendations (see section 8).
Envi	ironmental precautions	:	Prevent further I Prevent spreadi barriers). Retain and disp	the environment. eakage or spillage if safe to do so. ng over a wide area (e.g. by containment or oil ose of contaminated wash water. s should be advised if significant spillages ined.
	nods and materials for ainment and cleaning up	:	For large spills, ment to keep ma be pumped, stor Clean up remain bent. Local or national posal of this ma employed in the	ert absorbent material. provide dyking or other appropriate contain- aterial from spreading. If dyked material can re recovered material in appropriate container. hing materials from spill with suitable absor- l regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable.



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				d 15 of this SDS provide information regarding national requirements.
Section 7	: Handling and storage	е		
Tech	nical measures	:		ng measures under EXPOSURE ERSONAL PROTECTION section.
Local	/Total ventilation	:		tilation is unavailable, use with local exhaust
Advic	e on safe handling	:	Do not swallow Avoid contact v Wash skin thor Handle in acco practice, based sessment Keep container Do not eat, drin	mist or vapours. vith eyes. oughly after handling. rdance with good industrial hygiene and safety on the results of the workplace exposure as-
Hygie	ene measures	:	If exposure to c flushing system place. When using do	chemical is likely during typical use, provide eye as and safety showers close to the working not eat, drink or smoke. nated clothing before re-use.
Cond	itions for safe storage	:	Keep in proper Store locked up Keep tightly clo	ly labelled containers.
Mate	rials to avoid	:		th the following product types:

### Section 8: Exposure controls/personal protection

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
Efavirenz	154598-52-4	TWA	100 µg/m3	Internal		
Engineering measures			e concentrations. ailable, use with loca	l exhaust		
Personal protective equipment						
Respiratory protection	sure assessm	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.				



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	ilter type d protection	: Combined pa	rticulates and organic vapour type				
Ν	laterial	: Chemical-res	Chemical-resistant gloves				
Remarks :		on the concer stance and sp determined for applications, chemicals of	es to protect hands against chemicals depending netration and quantity of the hazardous sub- becific to place of work. Breakthrough time is not or the product. Change gloves often! For special we recommend clarifying the resistance to the aforementioned protective gloves with the cturer. Wash hands before breaks and at the ay.				
Eye	protection	: Wear the following personal protective equipment: Safety glasses					
Skin	and body protection	: Select appropresistance da potential. Skin contact i	viate protective clothing based on chemical ta and an assessment of the local exposure must be avoided by using impervious protective es, aprons, boots, etc).				

### Section 9: Physical and chemical properties

Appearance	:	liquid
Colour	:	white to off-white
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available

### SAFETY DATA SHEET



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Re	elative vapour density	:	No data availa	ble
De	ensity	:	No data availa	ble
So	olubility(ies) Water solubility	:	No data availa	ble
	artition coefficient: n-	:	No data availa	ble
	ctanol/water uto-ignition temperature	:	No data availa	ble
De	ecomposition temperatu	re :	No data availa	ble
Vi	scosity Viscosity, dynamic	:	No data availa	ble
	Viscosity, kinematic	:	No data availa	ble
E>	plosive properties	:	Not explosive	
O	xidizing properties	:	The substance	or mixture is not classified as oxidizing.
M	olecular weight	:	No data availa	ble
	article characteristics article size	:	No data availa	ble

### Section 10: Stability and reactivity

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	Oxidizing agents

#### Section 11: Toxicological information

Exposure routes	: Inhalation
	Skin contact
	Ingestion
	Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:



rsion )	Revision Date: 06.07.2024	SDS Number: 86842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
Acute	oral toxicity		y estimate: > 2,000 mg/kg
		Method: Ca	culation method
<u>Comp</u>	oonents:		
Efavir	renz:		
Acute	oral toxicity	: LD50 (Rat,	emale): 419 mg/kg
		LDLo (Rat,	male): 1,000 mg/kg
Benzy	yl alcohol:		
Acute	oral toxicity	: LD50 (Rat):	1,620 mg/kg
Acute	inhalation toxicity	Exposure tir Test atmosp	> 4.178 mg/l ne: 4 h ohere: dust/mist CD Test Guideline 403
Acute	dermal toxicity	Method: Ex	ty estimate: 1,100 mg/kg pert judgement ased on national or regional regulation.
Skin d	dermal toxicity corrosion/irritation assified based on ava	Method: Ex Remarks: B	bert judgement
<b>Skin d</b> Not cla	corrosion/irritation	Method: Ex Remarks: B	bert judgement
<b>Skin d</b> Not cla	corrosion/irritation assified based on ava ponents:	Method: Ex Remarks: B	bert judgement
<b>Skin d</b> Not cla <u>Comp</u>	corrosion/irritation assified based on ava <u>conents:</u> renz: t	Method: Ex Remarks: B	bert judgement ased on national or regional regulation. tation
Skin o Not cl: <u>Comp</u> Efavir Resul Rema	corrosion/irritation assified based on ava <u>conents:</u> renz: t	Method: Ex Remarks: B ailable information. : Mild skin irri	bert judgement ased on national or regional regulation. tation
Skin o Not cla Comp Efavir Resul Rema Benzy Specie	corrosion/irritation assified based on ava <u>conents:</u> renz: t t rks yl alcohol: es	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio : Rabbit	tation
Skin o Not cla Comp Efavir Resul Rema Benzy	corrosion/irritation assified based on ava <u>conents:</u> renz: t t urks y <b>l alcohol:</b> es od	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio	bert judgement ased on national or regional regulation. tation on Guideline 404
Skin o Not cla Comp Efavir Result Rema Benzy Specia Metho Result	corrosion/irritation assified based on ava <u>ponents:</u> renz: t t y <b>l alcohol:</b> es od t us eye damage/eye	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio : Rabbit : OECD Test : No skin irrita	bert judgement ased on national or regional regulation. tation on Guideline 404
Skin o Not cla Comp Efavir Result Rema Benzy Specia Metho Result Serior Not cla	corrosion/irritation assified based on ava <u>conents:</u> renz: t t rks yl alcohol: es od t us eye damage/eye i assified based on ava	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio : Rabbit : OECD Test : No skin irrita	bert judgement ased on national or regional regulation. tation on Guideline 404
Skin o Not cla Comp Efavir Result Rema Benzy Specie Metho Result Serio Not cla Comp	corrosion/irritation assified based on ava <u>conents:</u> renz: t t rks yl alcohol: es od t us eye damage/eye assified based on ava <u>conents:</u>	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio : Rabbit : OECD Test : No skin irrita	bert judgement ased on national or regional regulation. tation on Guideline 404
Skin o Not cla Comp Efavir Result Rema Benzy Specie Metho Result Serior Not cla Comp Efavir	corrosion/irritation assified based on ava <u>conents:</u> renz: t trks yl alcohol: es od t us eye damage/eye assified based on ava <u>conents:</u> renz:	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritation : Rabbit : OECD Test : No skin irrita irritation ailable information.	bert judgement ased on national or regional regulation. tation on Guideline 404 ation
Skin o Not cla Comp Efavir Result Rema Benzy Specie Metho Result Serio Not cla Comp	corrosion/irritation assified based on ava <u>conents:</u> renz: t trks yl alcohol: es od t us eye damage/eye assified based on ava <u>conents:</u> renz:	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritatio : Rabbit : OECD Test : No skin irrita	bert judgement ased on national or regional regulation. tation on Guideline 404 ation
Skin o Not cla Comp Efavir Result Rema Specia Metho Result Serio Not cla Comp Efavir Rema	corrosion/irritation assified based on ava <u>conents:</u> renz: t trks yl alcohol: es od t us eye damage/eye assified based on ava <u>conents:</u> renz:	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritation : Rabbit : OECD Test : No skin irrita irritation ailable information.	bert judgement ased on national or regional regulation. tation on Guideline 404 ation
Skin o Not cla Comp Efavir Result Rema Specia Metho Result Serio Not cla Comp Efavir Rema	corrosion/irritation assified based on ava <u>conents:</u> renz: t t rrits yl alcohol: es od t us eye damage/eye assified based on ava <u>conents:</u> renz: rrits yl alcohol: es	Method: Ex Remarks: B ailable information. : Mild skin irri : slight irritation : Rabbit : OECD Test : No skin irrita irritation ailable information. : Moderate en : Rabbit	bert judgement ased on national or regional regulation. tation on Guideline 404 ation



rsion )	Revision Date: 06.07.2024	SDS Number: 86842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
Resp	iratory or skin sens	itisation	
-	sensitisation lassified based on av	ailable information.	
-	iratory sensitisation lassified based on av		
Com	ponents:		
Efavi	renz:		
Speci	sure routes ies ssment	: Maximisatic : Dermal : Guinea pig : Does not ca : negative	n Test nuse skin sensitisation.
Benz	yl alcohol:		
	ssment		or evidence of skin sensitisation in humans ational or regional regulation.
Chro	nic toxicity		
	n cell mutagenicity lassified based on av	ailable information.	
Com	ponents:		
Efavi	renz:		
Geno	toxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
		Test Type: Result: neg	n vitro mammalian cell gene mutation test ative
		Test Type: Result: neg	Chromosome aberration test in vitro ative
Geno	toxicity in vivo	Result: neg	ative Mammalian erythrocyte micronucleus test (in vive assay) puse Route: Oral
Germ	toxicity in vivo a cell mutagenicity - ssment	Result: neg : Test Type: I cytogenetic Species: Mo Application Result: neg	ative Mammalian erythrocyte micronucleus test (in vivo assay) buse Route: Oral ative vidence does not support classification as a gern
Germ Asses	cell mutagenicity -	Result: neg : Test Type: I cytogenetic Species: Me Application Result: neg : Weight of e	ative Mammalian erythrocyte micronucleus test (in vive assay) Duse Route: Oral ative vidence does not support classification as a gern



Version 3.0	Revision Date: 06.07.2024	SDS Nu 86842-0		Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
Geno	toxicity in vivo	cyto Spe Appl	genetic asso cies: Mouse	te: Intraperitoneal injection
	<b>nogenicity</b> lassified based on ava	ilable inforr	nation	
	oonents:			
Efavi	renz:			
Expos	cation Route sure time et Organs		ars gs, Liver mechanism	or mode of action may not be relevant in hu-
	cation Route sure time	: Rat : Oral : 2 Ye : nega		
Benz	yl alcohol:			
Speci Applio	es cation Route sure time od		stion weeks D Test Gui	deline 451
Repr	oductive toxicity			
	damage the unborn ch	ild.		
Com	oonents:			
Efavi	renz:			
Effect	s on fertility	Appl Ferti Res	ication Rou lity: NOAEL	.: 200 - 400 mg/kg body weight ts on fertility and early embryonic develop-
Effect ment	s on foetal develop-	Spe Appl Deve	cies: Rat ication Rou elopmental	ryo-foetal development te: Oral Toxicity: LOAEL: 50 mg/kg body weight foetal toxicity
			Type: Emb cies: Monke	ryo-foetal development y



ersion )	Revision Date: 06.07.2024	SDS Number: 86842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
		Symptoms: Test Type: E Species: Ra Application Developmer	ntal Toxicity: LOAEL: 60 mg/kg body weight Malformations were observed. Embryo-foetal development bbit
Repro sessr	oductive toxicity - As- nent		nce of adverse effects on development, based o
Benz	yl alcohol:		
	ts on fertility	Species: Ra Application Result: nega	Route: Ingestion
Effect ment	ts on foetal develop-	Species: Mo	Route: Ingestion

Not classified based on available information.

#### STOT - repeated exposure

May cause damage to organs (Central nervous system, Skin) through prolonged or repeated exposure.

#### **Components:**

#### Efavirenz:

Target Organs	:	Central nervous system
Assessment	:	Causes damage to organs through prolonged or repeated
		exposure.

#### Repeated dose toxicity

#### **Components:**

#### Efavirenz:

Species	:	Rat
LÖAEL	:	50 mg/kg
Application Route	:	Oral
Exposure time	:	3 Months
Target Organs	:	Kidney
Species	:	Monkey



0	Revision Date: 06.07.2024		0S Number: 842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
Expos	L cation Route sure time t Organs	:	100 mg/kg Oral 1 - 2 yr Central nervous s	ystem, Liver, Kidney, Thyroid, Adrenal glan
Expos	L cation Route sure time t Organs		Monkey 90 mg/kg Oral 1 Months Central nervous s Lethargy, Weakne	
Speci NOAE Applic	EL cation Route sure time	:	Rat 1.072 mg/l inhalation (dust/m 28 Days OECD Test Guide	
Not cl Expe	ation toxicity assified based on availa rience with human exp ponents:			
Efavi				
Inges	tion	:	Symptoms: Dizzir Target Organs: H	entral nervous system less, insomnia eart
			Cymptoms. mege	lar heart beat
ection 12	2: Ecological informati	on		lar heart beat
	2: Ecological informati oxicity	on		lar heart beat
Ecoto	-	on	- Oymptoms. mege	lar heart beat
Ecoto	oxicity	on	- Oymptoms. mege	lar heart beat
Ecoto <u>Comp</u> Efavir	oxicity	on :		acrochirus (Bluegill sunfish)): 0.85 mg/l ì h
Ecoto <u>Comp</u> Efavin Toxici	oxicity ponents: renz:	:	LC50 (Lepomis m Exposure time: 90 Method: FDA 4.1	acrochirus (Bluegill sunfish)): 0.85 mg/l 5 h l agna (Water flea)): 1.1 mg/l 3 h





rsion	Revision Date: 06.07.2024	-	0S Number: 842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
			Method: FDA 4.0 <sup>4</sup>	
			NOEC (Microcyst Exposure time: 12 Method: FDA 4.07	
	tor (Acute aquatic tox-	:	1	
icity) Toxicit icity)	y to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 33 Method: OECD T	
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD T	
M-Fac toxicity	tor (Chronic aquatic	:	1	
-	l alcohol:			
-	y to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 460 mg/l 3 h
	y to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD T	
Toxicit plants	y to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T	
			NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD T	
	y to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 2' Method: OECD T	
Persis	tence and degradabili	ty		
<u>Comp</u>	onents:			
Efavir	enz:			
Biodeg	gradability	:	Result: Not readily Biodegradation: Exposure time: 32 Method: FDA 3.1	11 % 2 d

#### Benzyl alcohol:



/ersion 3.0	Revision Date: 06.07.2024	-	0S Number: 842-00024	Date of last issue: 06.04.2024 Date of first issue: 01.04.2015
Biode	egradability	:	Result: Readily Biodegradation: Exposure time:	92 - 96 %
Bioa	ccumulative potential			
Com	ponents:			
Efavi	irenz:			
Bioad	ccumulation	:	Bioconcentration	is macrochirus (Bluegill sunfish) n factor (BCF): 454 Test Guideline 305
	ion coefficient: n- nol/water	:	log Pow: 5.4	
Benz	yl alcohol:			
	ion coefficient: n- nol/water	:	log Pow: 1.05	
Mobi	lity in soil			
Com	ponents:			
Efavi	renz:			
	bution among environ- al compartments	:	log Koc: 3.36 Method: FDA 3.	08
	r adverse effects			
No da	ata available			
ection 1	3: Disposal considerat	tions	6	
Disp	osal methods			
Wast	e from residues	:		of waste into sewer.
Conta	aminated packaging	:	Empty container dling site for rec	cordance with local regulations. is should be taken to an approved waste han ycling or disposal. specified: Dispose of as unused product.
ection 1	4: Transport information	on		
Inter	national Regulations			
	<b>TDG</b> umber er shipping name	:	UN 3082 ENVIRONMENT N.O.S.	FALLY HAZARDOUS SUBSTANCE, LIQUID

(Efavirenz) : 9 : III

Class

Packing group





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La	abels		:	9	
Er	nviron	mentally hazardous	:	yes	
	ATA-D				
	N/ID I		:	UN 3082	
		shipping name	:	(Efavirenz)	nazardous substance, liquid, n.o.s.
	lass		:	9	
		g group	÷	 Missellenseus	
	abels	g instruction (cargo	÷	Miscellaneous 964	
	ircraft)		•	904	
Pa		g instruction (passen-	:	964	
		mentally hazardous	:	yes	
IN	IDG-0	Code			
	N nun		:	UN 3082	
Pr	roper	shipping name	:	ENVIRONMENTA N.O.S. (Efavirenz)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
CI	lass			(Elavilenz) 9	
		g group	÷	Ű	
	abels	9 9. ° ° P	÷	9	
Er	mS C	ode	:	F-A, S-F	
M	larine	pollutant	:	yes	
	-	-			OL 73/78 and the IBC Code
No	ot app	blicable for product as	sup	plied.	
Na	ationa	al Regulations			
N	ZS 54	33			
	N nun		:	UN 3082	
Pr	roper	shipping name	:	ENVIRONMENTA N.O.S. (Efavirenz)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
CI	lass		•	9	
		g group	÷	Ĩ	
	abels		:	9	
		em Code	:	3Z	
M	larine	pollutant	:	no	

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture



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#### HSNO Approval Number

HSR100425 Pharmaceutical Active Ingredients Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL) Not applicable

#### HSW Controls

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

#### The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

#### Section 16: Other information

Revision Date	:	06.07.2024
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : dd.mm.yyyy

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Con-

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### Efavirenz Liquid Formulation

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centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified: Nch - Chilean Norm: NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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